L Number	Hits	Search Text	DB	Time stamp
1	4	((estimat\$3 or evaluat\$3) with cavitation) and pump and	USPAT;	2004/08/25 17:41
		(net with positive with suction with pressure)	US-PGPUB;	,,
	1	` ' '	EPO; JPO;	
	}		DERWENT;	
			IBM_TDB	
4	1	((estimat\$3 or evaluat\$3) with cavitation) and pump and	USPAT;	2004/08/25 17:44
	İ	(curve with voltage with amplitude)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
3	1	((estimat\$3 or evaluat\$3) with cavitation) and pump and	USPAT;	2004/08/25 17:43
		(curve with voltage-amplitude)	US-PGPUB;	
	!		EPO; JPO;	
	1		DERWENT;	
			IBM_TDB	
5	1	((estimat\$3 or evaluat\$3) with cavitation) and pump and	USPAT;	2004/08/25 17:43
		(curve same voltage-amplitude)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
i			IBM_TDB	
6	1	((estimat\$3 or evaluat\$3) with cavitation) and pump and	USPAT;	2004/08/25 17:44
		(curve same voltage same amplitude)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	38	(detect\$3 with cavitation) and (operat\$3 with parameter)	USPAT;	2003/04/16 13:00
			US-PGPUB	
-	14	((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2003/04/11 16:44
]		and (automatic\$4 with detect\$3)	US-PGPUB	
-	3	(((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2003/04/11 17:19
		and (automatic\$4 with detect\$3)) and (characteristic with	US-PGPUB	
	16	Curve)	LICDAT.	2002/04/11 16:44
-	16	((detect\$3 with cavitation) and (operat\$3 with parameter)) and (pressure with indication)	USPAT; US-PGPUB	2003/04/11 16:44
<u>-</u>	9	(((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2003/04/11 16:45
		and (pressure with indication)) and (automatic\$4 with	US-PGPUB	2003/04/11 10.43
		detect\$3)	O3-FGFOD	
_	1	((((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2003/04/11 16:46
	1	and (pressure with indication)) and (automatic\$4 with	US-PGPUB	2003/01/11 10:10
1		detect\$3)) and (fluid with flow with indication)	33 : 3: 35	
_	1	(((((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2003/04/11 16:46
		and (pressure with indication)) and (automatic\$4 with	US-PGPUB	
		detect\$3)) and (fluid with flow)		
-	2	((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2003/04/11 16:48
		and (fluid with flow with indication)	US-PGPUB	. ,
-	3	((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2003/04/11 16:49
		and (net with positive with suction with head)	US-PGPUB	
-	1	(((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2003/04/11 16:49
		and (net with positive with suction with head)) and (alert	US-PGPUB	
		with user)	_	
-	7	((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2003/04/11 16:50
		and (alert with user)	US-PGPUB	
-	4	((estimat\$3 or detect\$3) with cavitation) and (characteristic	USPAT;	2003/04/11 17:11
		with curve) and (net with positive with suction with head)	US-PGPUB	0000/04/44 := 5=
-	1	((estimat\$3 or detect\$3) with cavitation) and (memory with	USPAT;	2003/04/11 17:20
	] 30	characteristic with curve) and processor	US-PGPUB	2002/04/44 47 47
-	29	((estimat\$3 or detect\$3) with cavitation) and memory and	USPAT;	2003/04/11 17:15
		(processor or microprocessor or computer or CPU) and	US-PGPUB	
	]	(operat\$3 with parameter)		

-	9	(((estimat\$3 or detect\$3) with cavitation) and memory and	USPAT;	2003/04/11 18:09
		(processor or microprocessor or computer or CPU) and	US-PGPUB	
		(operat\$3 with parameter)) and (process\$4 with plant) and		
		pump		
-	49	cavitation and (operat\$3 with parameter) and (characteristic	USPAT;	2003/04/11 17:28
		with curve)	US-PGPUB	
-	6	(cavitation and (operat\$3 with parameter) and	USPAT;	2003/04/15 17:31
		(characteristic with curve)) and ((estimat\$3 or detect\$3)	US-PGPUB	
		with cavitation)		
-	4	("6332110" "6317701" "6108616" "6055483" ).pn.	USPAT;	2003/04/11 17:28
			US-PGPUB	
-	0	(("6332110" "6317701" "6108616" "6055483" ).pn.) and	USPAT;	2003/04/11 17:29
		cavitation and (operat\$3 with parameter)	US-PGPUB	
-	1	(("6332110" "6317701" "6108616" "6055483" ).pn.) and	USPAT;	2003/04/11 17:29
	İ	cavitation	US-PGPUB	
-	5	(cavitation and (operat\$3 with parameter) and	USPAT;	2003/04/15 15:54
		(characteristic with curve)) and ((estimat\$3 or detect\$3)	US-PGPUB	
		with cavitation) and memory and (processor or		
	1	microprocessor or computer or CPU)	1	
-	13	("4234925"   "4319320"   "4486381"   "4490808"	USPAT	2003/04/15 15:51
		"4674279"   "4683718"   "4770843"   "4794544"		
		"4823018"   "4994684"   "5322412"   "5346359"		
	_	"5402332").PN.		
-	0	(("4234925"   "4319320"   "4486381"   "4490808"	USPAT;	2003/09/07 15:35
		"4674279"   "4683718"   "4770843"   "4794544"	US-PGPUB	
		"4823018"   "4994684"   "5322412"   "5346359"	}	
	_	"5402332").PN.) and (suction with pressure)	_	
-	3	(cavitation and (operat\$3 with parameter) and	USPAT;	2003/04/15 17:15
		(characteristic with curve)) and ((estimat\$3 or detect\$3)	US-PGPUB	
		with cavitation) and memory and (processor or		
		microprocessor or computer or CPU) and (suction with		
		pressure)		
-	2	((cavitation and (operat\$3 with parameter) and	USPAT;	2003/04/15 17:15
		(characteristic with curve)) and ((estimat\$3 or detect\$3)	US-PGPUB	
		with cavitation) and memory and (processor or		
		microprocessor or computer or CPU) and (suction with		
		pressure)) and (suction with fluid with flow)	LICDAT	2002/04/45 47 22
] -	0	(cavitation and (operat\$3 with parameter) and	USPAT;	2003/04/15 17:33
		(characteristic with curve)) and ((estimat\$3 or detect\$3)	US-PGPUB	
		with cavitation) and (calculat\$3 with net with position with suction)		
1_	1	(cavitation and (operat\$3 with parameter) and	LICDAT	2003/04/16 06:56
-	1	(characteristic with curve)) and ((estimat\$3 or detect\$3)	USPAT; US-PGPUB	2003/04/10 00:30
		with cavitation) and (net with position with suction)	03-10100	
-	0	702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter)	USPAT;	2003/04/15 18:12
		and (characteristic with curve) and ((estimat\$3 or detect\$3)	US-PGPUB	2003/07/13 10.12
		with cavitat\$3) and (net with position with suction)	00 10100	
-	10	702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter)	USPAT;	2003/04/15 18:33
1	10	and (monitor\$3 with data)	US-PGPUB	2003/01/13 10:33
-	О	(702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter)	USPAT;	2003/04/15 18:12
		and (monitor\$3 with data)) and (net with position with	US-PGPUB	2003/01/13 10:12
	İ	suction)	35.5.55	
-	1	(702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter)	USPAT;	2003/04/16 12:07
	_	and (monitor\$3 with data)) and (suction with pressure)	US-PGPUB	
-	1	cavitat\$4 and (operat\$3 with parameter) and (monitor\$3	USPAT;	2003/04/15 19:06
	_	with data) and (characteristic with curve with	US-PGPUB	= 200,00,00
		(voltage-current or voltage))		
-	51	(operat\$3 with parameter) and (monitor\$3 with data) and	USPAT;	2003/04/15 19:02
		(characteristic with curve with (voltage-current or voltage))	US-PGPUB	,,
-	0	((operat\$3 with parameter) and (monitor\$3 with data) and	USPAT;	2003/04/15 19:03
		(characteristic with curve with (voltage-current or voltage)))	US-PGPUB	
		and (electrical with operting with parameter)		,
<del></del>		5.44.44 DM Dage 2		

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-	3	((operat\$3 with parameter) and (monitor\$3 with data) and	USPAT;	2003/04/15 19:03
		(characteristic with curve with (voltage-current or voltage)))	US-PGPUB	
		and (electrical with operating with parameter)	LICDAT	2002/04/45 40:06
-	1	cavitat\$4 and (operat\$3 with parameter) and (characteristic with curve with (voltage-current or voltage))	USPAT; US-PGPUB	2003/04/15 19:06
_	2	(monitor\$3 with system) and (characteristic with curve with	US-PGPUB USPAT;	2003/04/16 09:10
_	2	(voltage-current or voltage)) and (electrical with operating	US-PGPUB	2003/04/16 09:10
		(voltage-current of voltage)) and (electrical with operating   with parameter)	03-PGP0B	
<u>-</u>	152	(monitor\$3 with system) and (characteristic with curve with	USPAT;	2003/04/16 07:27
	152	(voltage-current or voltage or V-A)) and (high with	US-PGPUB	2003/04/10 07.27
		frequency fluctuations)	05 1 01,05	
-	19	((monitor\$3 with system) and (characteristic with curve with	USPAT;	2003/04/16 07:02
	]	(voltage-current or voltage or V-A)) and (high with	US-PGPUB	2000,01,100,102
		frequency fluctuations)) and pump		
-	11	(((monitor\$3 with system) and (characteristic with curve	USPAT;	2003/04/16 07:02
		with (voltage-current or voltage or V-A)) and (high with	US-PGPUB	,,
		frequency fluctuations)) and pump) and parameter		
-	9	((((monitor\$3 with system) and (characteristic with curve	USPAT;	2003/04/16 07:04
		with (voltage-current or voltage or V-A)) and (high with	US-PGPUB	
		frequency fluctuations)) and pump) and parameter) and		
		operating		
-	1	(((((monitor\$3 with system) and (characteristic with curve	USPAT;	2003/04/16 07:04
		with (voltage-current or voltage or V-A)) and (high with	US-PGPUB	
		frequency fluctuations)) and pump) and parameter) and		
		operating) and (high with frequency with fluctuations)		
-	2	(((((monitor\$3 with system) and (characteristic with curve	USPAT;	2003/04/16 07:26
		with (voltage-current or voltage or V-A)) and (high with	US-PGPUB	
		frequency fluctuations)) and pump) and parameter) and operating) and (frequency with fluctuations)		
<b> </b> _	4	(monitor\$3 with system) and (characteristic with curve with	USPAT;	2003/04/16 07:18
		(voltage-current or voltage or V-A)) and (high with	US-PGPUB	2003/04/10 07.10
		frequency with fluctuations)	05 1 01 05	
_	3	((monitor\$3 with system) and (characteristic with curve with	USPAT;	2003/04/16 07:09
		(voltage-current or voltage or V-A)) and (high with	US-PGPUB	,,
		frequency with fluctuations)) and pump		
-	16	(monitor\$3 with system) and (characteristic with curve) and	USPAT;	2003/04/16 09:51
		(voltage-current or voltage or V-A) and (high with frequency	US-PGPUB	
1		with fluctuations)		
-	5	((monitor\$3 with system) and (characteristic with curve)	USPAT;	2003/04/16 07:24
		and (voltage-current or voltage or V-A) and (high with	US-PGPUB	
	1	frequency with fluctuations)) and ( curve with		
_	25	(voltage-current or voltage or V-A))	USPAT;	2002/04/16 07:20
_	25	(pump with cavitat\$3) and ( curve with (voltage-current or voltage or V-A))	US-PGPUB	2003/04/16 07:28
-	1	((pump with cavitat\$3) and ( curve with (voltage-current or	USPAT;	2003/04/16 07:26
	*	voltage or V-A)) ) and (frequency with fluctuations)	US-PGPUB	
-	1	((monitor\$3 with system) and (characteristic with curve with	USPAT;	2003/04/16 07:27
		(voltage-current or voltage or V-A)) and (high with	US-PGPUB	, , , , , , , , , , , , , , , , , , , ,
		frequency fluctuations)) and (pump with cavitat\$3)		
-	11	(curve with (voltage-current or voltage or V-A)) and (high	USPAT;	2003/04/16 07:43
		with frequency with fluctuations) and pump	US-PGPUB	
-	5	((curve with (voltage-current or voltage or V-A)) and (high	USPAT;	2003/04/16 07:30
		with frequency with fluctuations) and pump) and parameter	US-PGPUB	
-	1	(curve with (voltage-current or voltage or V-A)) and (high	USPAT;	2003/04/16 07:39
	[	with frequency with fluctuations) and (electrical with	US-PGPUB	
		operating with parameter)	LICDAT:	2002/04/46 00:42
_	0	(monitor\$3 with rountine) and (operat\$4 with parameter)	USPAT;	2003/04/16 09:12
	6	and (expert with engine) and (neural with network) ((monitor\$3 with routine) and (operat\$4 with parameter)	US-PGPUB USPAT;	2003/04/16 09:33
	"	and (expert with engine) and (neural with network)) and	US-PGPUB	2003/07/10 03.33
		cavitat\$3	007000	
	·	war, way w	L	L

			I	T
-	7	((monitor\$3 with routine) and (operat\$4 with parameter)	USPAT;	2003/04/16 09:17
		and (expert with engine) and (neural with network)) and	US-PGPUB	
		pump		
-	10	(monitor\$3 with routine) and (operat\$4 with parameter) and	USPAT;	2003/04/16 09:32
		(expert with engine) and (neural with network)	US-PGPUB	
-	47	(monitor\$3 with system) and (operat\$4 with parameter) and	USPAT;	2003/04/16 09:50
		(expert with engine) and (neural with network)	US-PGPUB	
-	9	((monitor\$3 with system) and (operat\$4 with parameter)	USPAT;	2003/04/16 10:28
		and (expert with engine) and (neural with network)) and	US-PGPUB	
		cavitat\$3		,
-	164	("3096434"   "3404264"   "3468164"   "3590370"	USPAT	2003/04/16 09:48
		"3688190"   "3691842"   "3701280"   "3973184"		
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		"4122719"   "4250490"   "4337516"   "4399824"		
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		"4642782"   "4644479"   "4649515"   "4707796"		
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		"4873655"   "4907167"   "4924418"   "4934196"		
	-	"4939753"   "4964125"   "4988990"   "4992965"		
		"5005142"   "5043862"   "5053815"   "5067099"		
		"5081598"   "5089984"   "5098197"   "5099436"		
		"5103409"   "5111531"   "5121467"   "5122794"		
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		"5142612"   "5143452"   "5148378"   "5167009"		
		"5175678"   "5193143"   "5197114"   "5197328"		
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		"5235527"   "5265031"   "5265222"   "5269311"		
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		"5481199"   "5483387"   "5485753"   "5486996"		
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		"5970430"   "6016706"   "6017143"   "6045260"		
		"6047220"   "6047222"   "6119047"   "6192281"		
		"6195591"   "6199018"   "6263487"   "6298377").PN.		
		1 0230077   0233070   0230077 J.I N.	L	1

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"\$357449"   "\$36628"   "\$3665428"   "\$367612"   "\$384699"   "\$366738"   \$349341"   "\$394543"   "\$404064"   "\$408406"   "\$448586"   "\$414645"   "\$419197"   "\$430642"   "\$440478"   "\$442639"   "\$481199"   "\$483387"   "\$485753"   "\$4869975"   "\$488697"   "\$483387"   "\$485753"   "\$486996"   "\$548199"   "\$483387"   "\$485759"   "\$510799"   "\$511004"   "\$548528"   "\$561599"   "\$570300"   "\$557240"   "\$573032"   "\$598521"   "\$600148"   "\$665899"   "\$669713"   "\$671335"   "\$675504"   "\$675724"   "\$669713"   "\$671335"   "\$675504"   "\$757208"   "\$764891"   "\$708585"   "\$71368"   "\$719378"   "\$741074"   "\$742845"   "\$746511"   "\$752008"   "\$687622"   "\$88788"   "\$801689"   "\$805442"   "\$828567"   "\$289876"   "\$848383"   "\$89964"   "\$6876122"   "\$8487978"   "\$973557"   "\$974306"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "6119047"   "6192281"   "6195591"   "6199018"   "6263487"   "6298377").P.N.) and (expert with engine) and (neural with network) and pump and (operat\$4 with parameter) and (expert with engine) and (neural with network) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network) and pump) and (operat\$4 with parameter) and (expert with engine) and (expert with engine) and (expert with engine) and (expert with engine) and (expert with engine) and (expert with engine) and (expert with engine) and (expert with engine) and (expert wi					
"5384699"   "5386373"   "5394341"   "5394543"   "54404064"   "5408406"   "5408586"   "5414645"   "5419197"   "5430642"   "5469586"   "5414645"   "5481199"   "5483387"   "5469735"   "5469735"   "5481199"   "5483387"   "5469753"   "5469735"   "5481199"   "5483387"   "5485753"   "5510799"   "5571200"   "5573032"   "5561599"   "5570300"   "5572400"   "5573032"   "5561599"   "5570300"   "5572400"   "5573032"   "5561599"   "5570300"   "5665899"   "5669713"   "5567504"   "5665899"   "5669713"   "5671335"   "5675504"   "5675724"   "5669713"   "57708585"   "5713668"   "5779008"   "5764891"   "5781878"   "5816868"   "5793078"   "5774011"   "570978"   "5788585"   "5713668"   "5752008"   "5764891"   "5781878"   "5816889"   "5805422"   "5828567"   "5849267   "5913668"   "57990430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "6119047"   "6192281"   "6195591"   "6199018"   "6263487"   "6192281"   "6195591"   "6199018"   "6263487"   "6192821"   "6195591"   "6199018"   "6263487"   "6192821"   "6195591"   "6199018"   "6263487"   "6192821"   "6195591"   "6199018"   "6263487"   "61928837").PN.) and (expert with engine) and (neural with network) and pump) and (expert with engine) and (neural with network) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network) and USPAT; US-PGPUB (SPAT; US-PGPUB (SPAT; US-PGPUB (SPAT; US-PGPUB (SPAT; US-PGPUB (SPAT; US-PG					
"5404064"   "5408406"   "54040478"   "5414645"   "5419197"   "5430642"   "5440478"   "5442639"   "5467355"   "5468070"   "5469156"   "5469735"   "5481919"   "5483838"   "5489578"   "5480996"   "5488697"   "55488387"   "54895789"   "5510799"   "5511004"   "5548381"   "55601048"   "5623605"   "5537802"   "55601668"   "5663899"   "5667324"   "5664091"   "5661668"   "5663899"   "5667724"   "5660168"   "5764011"   "5700978"   "5703575"   "57704011"   "5700978"   "5703575"   "57704011"   "570978"   "57005978"   "5733575"   "5772008"   "574891"   "5781878"   "5733575"   "5752008"   "574891"   "5781878"   "593357"   "580542"   "582678"   "582876"   "5848383"   "5859964"   "5876891"   "58781878"   "59356653"   "5970430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "6119047"   "6192281"   "6195591"   "6199018"   "6263487"   "6298377").PN.) and (expert with engine) and (neural with network) and pump and (expert with engine) and (neural with network)) and pump and (expert with engine) and (neural with network)) and pump and (expert with engine) and (neural with network)) and pump and (operat\$4 with parameter) and (expert with engine) and (neural with network) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network) and pump and (expert with engine) and (neural with network) and pump and (expert with engine) and (expert with engine) and (expert w			· · · · · · · · · · · · · · · · · · ·		I
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"S48199"   "S483837"   "S485733"   "S486996"     "5488697"   "5489831"   "5495769"   "5510799"     "5571004"   "55748528"   "5561599"   "5570300"     "5572420"   "5573032"   "556658521"   "5661668"     "5623605"   "5637802"   "56640491"   "5661668"     "5665899"   "5669713"   "5671335"   "5675504"     "5675724"   "5689713"   "5671335"   "5675504"     "57740111"   "5705978"   "5704011"   "5705978"   "5704015"   "5704011"   "5705978"   "5704015"   "5785851"   "5746511"     "5752008"   "5746981"   "5742845"   "5746511"     "5752008"   "5876122"   "5889767"   "5848383"     "5859644"   "5876122"   "5889767"   "5943557"     "5924066"   "5926778"   "5942090"   "5993557"     "59704301"   "6016706"   "6017143"   "6045260"     "6047220"   "6047222"   "6119047"   "6192281"     "6195591"   "6199018"   "6263487"   "6298377").PN.) and (expert with engine) and (neural with network)) and pump and (expert with engine) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (characteristic with curve)  19 (((monitor\$3 with system) and (alert with cavitat\$3)					
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"5665899"   "5669113"   "5671335"   "5675504"   "5675724"   "5680109"   "570090"   "5703575"   "5704011"   "5705978"   "5703575"   "5752008"   "574074"   "5742845"   "574568"   "5752008"   "5764891"   "5781878"   "5801689"   "5805462"   "5826786"   "5829678"   "5893833"   "585964"   "5876122"   "5887978"   "5923557"   "5924086"   "5926778"   "5940290"   "5956663"   "5970430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "6119047"   "6192281"   "6195591"   "6199018"   "6263487"   "6298377").PN.) and (expert with engine) and (neural with network)) and pump and (expert with engine) and (neural with network)) and pump) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter)) and (characteristic with curve)  - 19 (((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) - 2 (monitor\$3 with system) and (alert with cavitat\$3) USPAT; US-PGPUB - 2 (alert with cavitat\$3) USPAT; US-PGPUB - 3 ((monitor\$3 with system) and alert and cavitat\$3 USPAT; US-PGPUB - 3 ((monitor\$3 with system) and alert and cavitat\$3 and (characteristic with curve) - 3 ((monitor\$3 with system) and alert and cavitat\$3 and (characteristic with curve) USPAT; US-PGPUB - 3 (702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) and (monitor\$3 with data)) and (characteristic with curve) US-PGPUB			"5572420"   "5573032"   "5598521"   "5600148"		
"5675724"   "5680109"   "570090"   "5703575"   "5704011"   "5705978"   "5704074"   "5742858"   "5713668"   "5719378"   "574074"   "5742885"   "5746511"   "5752008"   "5764891"   "581878"   "5801689"   "5859964"   "5828567"   "5828966"   "5848383"   "5859964"   "5876122"   "5887978"   "5923557"   "5924086"   "5926778"   "5940290"   "5956663"   "5970430"   "6016706"   "6017143"   "6192281"   "6047220"   "6047222"   "6119047"   "6192281"   "6195591"   "6199918"   "6263487"   "6298377").PN.) and (expert with engine) and (neural with network)   ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with system) and alert and cavitat\$3	:		"5623605"   "5637802"   "5640491"   "5661668"		
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"5719378"   "5741074"   "5742845"   "5746511"   "5752008"   "5764891"   "5781878"   "5801689"   "5805442"   "5828567"   "5829676"   "5829357"   "5924086"   "5876122"   "5887978"   "5923557"   "5924086"   "5926778"   "5940290"   "5956663"   "6047220"   "6047222"   "6119047"   "6192281"   "6195591"   "6199018"   "6263487"   "6298377").PN.) and (expert with engine) and (neural with network)) and pump ((((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump ((((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter)  - 19 (((monitor\$3 with system) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter)  - 2 (alert with cavitat\$3)  - 3 (monitor\$3 with system) and alert and cavitat\$3  - 95 (monitor\$3 with system) and alert and cavitat\$3  - 8 ((monitor\$3 with system) and alert and cavitat\$3 and (characteristic with curve)  - 8 ((monitor\$3 with system) and alert and cavitat\$3 with parameter) and (characteristic with curve)  - 7 (702/\$.ccis. and cavitat\$4 and (operat\$3 with parameter) and (monitor\$3 with data)) and (characteristic with curve)  - 9 (702/\$.ccis. and cavitat\$4 and (operat\$5 with parameter) and (monitor\$3 with data)) and (characteristic with curve)  - 2 (2003/04/16 10:41					
"5752008"   "5764891"   "5781878"   "5801689"   "5805442"   "5828567"   "5829876"   "584383"   "5859964"   "5876122"   "5887978"   "5942290"   "59556663"   "5970430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "6119047"   "6192281"   "6195591"   "6199018"   "6263487"   "6298377").PN.) and (expert with engine) and (neural with network) ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump  - 3 ((((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter)  - 19 (((monitor\$3 with system) and (neural with network)) and pump) and (operat\$4 with parameter)  - 2 (alert with cavitat\$3) USPAT; US-PGPUB  - 2 (alert with cavitat\$3) USPAT; US-PGPUB  - 3 (((monitor\$3 with system) and alert and cavitat\$3 USPAT; US-PGPUB  - 8 (((monitor\$3 with system) and alert and cavitat\$3) and (characteristic with curve)  - 8 (((monitor\$3 with system) and alert and cavitat\$3) and (characteristic with curve)  - 19 (((monitor\$3 with system) and alert and cavitat\$3 with parameter) (USPAT; US-PGPUB USPAT; US-PGPUB US			· · · · · · · · · · · · · · · · · · ·		
"5805442"   "5828567"   "5829876"   "5848383"     "5859964"   "5876122"   "5887978"   "5923557"     "5924086"   "5924086"   "5924086"   "5924086"   "5924086"   "6016706"   "6017143"   "6045260"     "6047220"   "6047222"   "6119047"   "6192281"     "6195591"   "6199018"   "6263487"   "6298377").PN.) and (expert with engine) and (neural with network) and pump ((((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump ((((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) us-PGPUB (monitor\$3 with system) and (alert with cavitat\$3) us-PGPUB (us-PGPUB us-PGPUB and (monitor\$3 with data)) and (characteristic with curve) us-PGPUB us					
"585964"   "5876122"   "5887978"   "5923557"     "5924086"   "5926778"   "5940290"   "5956663"     "5970430"   "6016706"   "6017143"   "6045260"     "6047220"   "6047222"   "6119047"   "6192281"     "6195591"   "6199018"   "6263487"   "6298377").PN.) and (expert with engine) and (neural with network) ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump ((((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (alert with cavitat\$3)  - 2 (alert with cavitat\$3)  - 3 (monitor\$3 with system) and alert and cavitat\$3  - 95 (monitor\$3 with system) and alert and cavitat\$3  - ((monitor\$3 with system) and alert and cavitat\$3  - ((monitor\$3 with system) and alert and cavitat\$3) and (characteristic with curve)  - 3 ((702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) uS-PGPUB uS-PGPU			, , , , , , , , , , , , , , , , , , , ,		
"5924086"   "5926778"   "5940290"   "5956663"     "5970430"   "6016706"   "6017143"   "6045260"     "6047220"   "6047222"   "6119047"   "6192281"     "6195591"   "6199018"   "6263487"   "6298377").PN.) and (expert with engine) and (neural with network) ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (characteristic with curve)  - 19 (((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) - 2 (monitor\$3 with system) and (alert with cavitat\$3)					
"5970430"   "6016706"   "6017143"   "6045260"   "6047220"   "6197043"   "6192281"   "6195591"   "6199018"   "6263487"   "6298377").PN.) and (expert with engine) and (neural with network)  19 ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump  3 ((((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (characteristic with curve) ((((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) ((((monitor\$3 with system) and (alert with cavitat\$3)  2 (alert with cavitat\$3)  4 (alert with cavitat\$3)  5 (monitor\$3 with system) and alert and cavitat\$3 ((monitor\$3 with system) and alert and cavitat\$3 ((monitor\$3 with system) and alert and cavitat\$3) and (characteristic with curve) ((monitor\$3 with system) and alert and cavitat\$3) and (characteristic with curve) ((monitor\$3 with data)) and (characteristic with curve) ((monitor\$3 with data)) and (characteristic with curve) ((monitor\$3 with data)) and (characteristic with curve) ((monitor\$3 with data)) and (characteristic with curve) ((monitor\$3 with data)) and (characteristic with curve) ((monitor\$3 with data)) and (characteristic with curve) ((monitor\$3 with data)) and (characteristic with curve) ((monitor\$3 with data)) and (characteristic with curve) ((monitor\$3 with data)) and (characteristic with curve) ((monitor\$3 with data)) and (characteristic with curve)			· · · · · · · · · · · · · · · · · · ·		
"6047220"   "6047222"   "6119047"   "6192281"     "6195591"   "6199018"   "6263487"   "6298377").PN.) and   (expert with engine) and (neural with network)   19			· · · · · · · · · · · · · · · · · · ·		
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(expert with engine) and (neural with network) ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump ((((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (characteristic with curve) ((((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) uspar; uspar			•		
19 ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump ((((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (characteristic with curve) (((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) uspat; u					
and (expert with engine) and (neural with network)) and pump  ((((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter)) and (characteristic with curve)  (((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter)  (monitor\$3 with system) and (alert with cavitat\$3)  (alert with cavitat\$3)  (monitor\$3 with system) and alert and cavitat\$3  (monitor\$3 with system) and alert and cavitat\$3  (monitor\$3 with system) and alert and cavitat\$3 and (characteristic with curve)  (monitor\$3 with data)) and (characteristic with curve)  (monitor\$3 with data)) and (characteristic with curve)  (monitor\$3 with data)) and (characteristic with curve)  (monitor\$3 with data)) and (characteristic with curve)  (monitor\$3 with data)) and (characteristic with curve)  (monitor\$3 with data)) and (characteristic with curve)  (monitor\$3 with data)) and (characteristic with curve)  (monitor\$3 with data)) and (characteristic with curve)	_	19		LISDAT	2003/04/16 00:50
pump (((((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (characteristic with curve)  19 (((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) and (operat\$4 with parameter) (monitor\$3 with system) and (alert with cavitat\$3)  2 (alert with cavitat\$3)  3 (alert with cavitat\$3)  4 (monitor\$3 with system) and alert and cavitat\$3  5 (monitor\$3 with system) and alert and cavitat\$3  6 ((monitor\$3 with system)) and alert and cavitat\$3) and (characteristic with curve)  7 (characteristic with curve)  8 ((monitor\$3 with system)) and alert and cavitat\$3) and (characteristic with parameter) and (monitor\$3 with data)) and (characteristic with curve)  8 ((monitor\$3 with data)) and (characteristic with curve)  9 (702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) and (monitor\$3 with data)) and (characteristic with curve)		13			2003/04/10 09.30
3 ((((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter)) and (characteristic with curve)  19 (((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter)  2 (monitor\$3 with system) and (alert with cavitat\$3)  2 (alert with cavitat\$3)  3 ((monitor\$3 with system) and alert and cavitat\$3  4 (monitor\$3 with system) and alert and cavitat\$3  5 (monitor\$3 with system) and alert and cavitat\$3 and (characteristic with curve)  6 (monitor\$3 with system) and alert and cavitat\$3 with parameter)  7 (characteristic with curve)  8 (monitor\$3 with system) and alert and cavitat\$3 with parameter) and (monitor\$3 with data)) and (characteristic with curve)  8 (monitor\$3 with data)) and (characteristic with curve)  9 (monitor\$3 with data)) and (characteristic with curve)  10 (SPAT; US-PGPUB USPAT; US-PG				00 1 01 00	
and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter)) and (characteristic with curve)  19 (((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter)  2 (monitor\$3 with system) and (alert with cavitat\$3)  2 (alert with cavitat\$3)  3 ((monitor\$3 with system) and alert and cavitat\$3  4 ((monitor\$3 with system)) and alert and cavitat\$3  4 ((monitor\$3 with system)) and alert and cavitat\$3) and (characteristic with curve)  3 (702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) and (monitor\$3 with data)) and (characteristic with curve)  4 (US-PGPUB US-PGPUB	_	3		USPAT:	2003/04/16 10:41
pump) and (operat\$4 with parameter)) and (characteristic with curve)  19 (((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter)  2 (monitor\$3 with system) and (alert with cavitat\$3) USPAT; US-PGPUB  3 ((monitor\$3 with system) and alert and cavitat\$3 USPAT; US-PGPUB  4 ((monitor\$3 with system) and alert and cavitat\$3 USPAT; US-PGPUB  5 ((monitor\$3 with system) and alert and cavitat\$3 USPAT; US-PGPUB  6 ((monitor\$3 with system) and alert and cavitat\$3) and (characteristic with curve)  7 (characteristic with curve)  8 ((monitor\$3 with system) and alert and cavitat\$3 with parameter) USPAT; US-PGPUB  9 (702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) USPAT; US-PGPUB  1 (702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) USPAT; US-PGPUB					
with curve)  (((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter)  (monitor\$3 with system) and (alert with cavitat\$3)  (alert with cavitat\$3)  (monitor\$3 with system) and alert and cavitat\$3  (monitor\$3 with system) and alert and cavitat\$3  (monitor\$3 with system) and alert and cavitat\$3  (monitor\$3 with system) and alert and cavitat\$3  (monitor\$3 with system) and alert and cavitat\$3  (monitor\$3 with system) and alert and cavitat\$3 and (characteristic with curve)  (noonitor\$3 with system) and alert and cavitat\$3 and (characteristic with parameter) uspace and (monitor\$3 with data)) and (characteristic with curve)  (noonitor\$3 with system) and alert and cavitat\$3 and (characteristic with parameter) uspace and (monitor\$3 with data)) and (characteristic with curve)  (noonitor\$3 with system) and alert and cavitat\$3 with parameter) uspace and (noonitor\$3 with data)) and (characteristic with curve)  (noonitor\$3 with system) and alert and cavitat\$3 with parameter) uspace and (noonitor\$3 with data)) and (characteristic with curve)  (noonitor\$3 with system) and alert and cavitat\$3 with parameter) uspace and (noonitor\$3 with data)) and (characteristic with curve)					
- 19 (((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter) - 2 (monitor\$3 with system) and (alert with cavitat\$3) - 2 (alert with cavitat\$3) - 3 (monitor\$3 with system) and alert and cavitat\$3 - 4 (monitor\$3 with system) and alert and cavitat\$3 - 5 (monitor\$3 with system) and alert and cavitat\$3 - 6 (monitor\$3 with system) and alert and cavitat\$3 - 702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) and (monitor\$3 with data)) and (characteristic with curve) - 702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) and (monitor\$3 with data)) and (characteristic with curve) - 705/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) and (monitor\$3 with data)) and (characteristic with curve) - 705/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) and (monitor\$3 with data)) and (characteristic with curve)					
and (expert with engine) and (neural with network)) and pump) and (operat\$4 with parameter)  (monitor\$3 with system) and (alert with cavitat\$3)  (alert with cavitat\$3)  (alert with cavitat\$3)  (monitor\$3 with system) and alert and cavitat\$3  (monitor\$3 with system) and alert and cavitat\$3  (monitor\$3 with system) and alert and cavitat\$3  (monitor\$3 with system) and alert and cavitat\$3  (monitor\$3 with system) and alert and cavitat\$3 and (characteristic with curve)  (nonitor\$3 with system) and alert and cavitat\$3 and (characteristic with curve)  (nonitor\$3 with system) and alert and cavitat\$3 and (characteristic with parameter) uspart; uspart; and (monitor\$3 with data)) and (characteristic with curve)  (nonitor\$3 with system) and alert and cavitat\$3 and (sperat\$3 with parameter) uspart; and (monitor\$3 with data)) and (characteristic with curve)  (nonitor\$3 with system) and alert and cavitat\$3 and (sperat\$3 with parameter) uspart; and (monitor\$3 with data)) and (characteristic with curve)  (nonitor\$3 with system) and alert and cavitat\$3 and (sperat\$3 with parameter) uspart; and (monitor\$3 with data)) and (characteristic with curve)	-	19		USPAT;	2004/08/17 13:10
- 2 (monitor\$3 with system) and (alert with cavitat\$3) USPAT; US-PGPUB					, .
- 2 (alert with cavitat\$3) US-PGPUB USPAT; US-PGPUB		i	pump) and (operat\$4 with parameter)		
- 2 (alert with cavitat\$3) USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB US-PGPUB	-	2	(monitor\$3 with system) and (alert with cavitat\$3)	USPAT;	2003/04/16 10:40
- 95 (monitor\$3 with system) and alert and cavitat\$3 US-PGPUB USPAT; US-PGPUB US-PGPUB US-PGPUB US-PGPUB US-PGPUB USPAT; US-PGPUB USPAT; (characteristic with curve) US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; and (monitor\$3 with data)) and (characteristic with curve) US-PGPUB					
- 95 (monitor\$3 with system) and alert and cavitat\$3 USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; (characteristic with curve) US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; and (monitor\$3 with data)) and (characteristic with curve) US-PGPUB	-	2	(alert with cavitat\$3)		2003/04/16 10:33
- 8 ((monitor\$3 with system) and alert and cavitat\$3) and US-PGPUB USPAT; 2003/04/16 10:41 (characteristic with curve) US-PGPUB USPAT; US-PGPUB USPAT; 2003/04/16 12:08 and (monitor\$3 with data)) and (characteristic with curve) US-PGPUB					
- 8 ((monitor\$3 with system) and alert and cavitat\$3) and USPAT; US-PGPUB - 3 (702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) USPAT; USPAT; USPAT; 2003/04/16 12:08 and (monitor\$3 with data)) and (characteristic with curve) US-PGPUB	-	95	(monitor\$3 with system) and alert and cavitat\$3		2003/04/16 10:41
- US-PGPUB US-PGPUB US-PGPUB US-PGPUB US-PGPUB US-PGPUB US-PGPUB US-PGPUB US-PGPUB US-PGPUB US-PGPUB US-PGPUB US-PGPUB					
- 3 (702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) USPAT; 2003/04/16 12:08 and (monitor\$3 with data)) and (characteristic with curve) US-PGPUB	-	8			2003/04/16 10:41
and (monitor\$3 with data)) and (characteristic with curve) US-PGPUB		_			
	-	3			2003/04/16 12:08
Search History 8/25/04 5:44:44 DM		<u> </u>		US-PGPUB	

Search History 8/25/04 5:44:44 PM Page 5

-	2	(((monitor\$3 with system) and (operat\$4 with parameter)	USPAT;	2003/04/16 12:58
	_	and (expert with engine) and (neural with network)) and	US-PGPUB	2003/04/10 12.30
		pump) and (pump with impeller)	33 ; 3; 35	
-	0	(("3096434")   "3404264"   "3468164"   "3590370"	USPAT;	2003/04/16 12:59
		"3688190"   "3691842"   "3701280"   "3973184"	US-PGPUB	' '
		"RE29383"   "4058975"   "4099413"   "4102199"		
		"4122719"   "4250490"   "4337516"   "4399824"		
	•	"4517468"   "4530234"   "4571689"   "4635214"		
		"4642782"   "4644479"   "4649515"   "4707796"		
		"4736367"   "4777585"   "4831564"   "4841286"		
		"4873655"   "4907167"   "4924418"   "4934196"		·
		"4939753"   "4964125"   "4988990"   "4992965"		
		"5005142"   "5043862"   "5053815"   "5067099"		
		"5081598"   "5089984"   "5098197"   "5099436"     "5103400"   "5111531"   "5131467"   "5133704"	·	
		"5103409"   "5111531"   "5121467"   "5122794"     "5122976"   "5130936"   "5134574"   "5137370"		
		3122976   3130936   3134374   3137376     "5142612"   "5143452"   "5148378"   "5167009"		
		"5175678"   "5193143"   "5197114"   "5197328"		
	:	"5212765"   "5214582"   "5224203"   "5228780"		
		"5235527"   "5265031"   "5265222"   "5269311"		
		"5274572"   "5282131"   "5282261"   "5293585"		
	ļ	"5303181"   "5305230"   "5311421"   "5317520"		
		"5327357"   "5333240"   "5347843"   "5349541"		
		"5357449"   "5361628"   "5365423"   "5367612"		
		"5384699"   "5386373"   "5394341"   "5394543"		
		"5404064"   "5408406"   "5408586"   "5414645"		
		"5419197"   "5430642"   "5440478"   "5442639"		
	1	"5467355"   "5469070"   "5469156"   "5469735"		
	,	"5481199"   "5483387"   "5485753"   "5486996"		
		"5488697"   "5489831"   "5495769"   "5510799"		
		"5511004"   "5548528"   "5561599"   "5570300"		
		"5572420"   "5573032"   "5598521"   "5600148"     "5623605"   "5637802"   "5640491"   "5661668"		
		"5623605"   "5637802"   "5640491"   "5661668"     "5665899"   "5669713"   "5671335"   "5675504"		
		"5675724"   "5680109"   "5700090"   "5703575"		
		"5704011"   "5705978"   "5708585"   "5713668"		
	ļ	"5719378"   "5741074"   "5742845"   "5746511"		
		"5752008"   "5764891"   "5781878"   "5801689"		
		"5805442"   "5828567"   "5829876"   "5848383"		
		"5859964"   "5876122"   "5887978"   "5923557"		
	ļ	"5924086"   "5926778"   "5940290"   "5956663"		
		"5970430"   "6016706"   "6017143"   "6045260"		
		"6047220"   "6047222"   "6119047"   "6192281"		
		"6195591"   "6199018"   "6263487"   "6298377").PN.) and		
	_	(pump with impeller)		2002/04/15 : 5 ==
-	2	((monitor\$3 with system) and (operat\$4 with parameter)	USPAT;	2003/04/16 12:59
		and (expert with engine) and (neural with network)) and	US-PGPUB	
	1	(pump with impeller)	LICDAT.	2002/04/46 42:50
-	1	((monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with	USPAT; US-PGPUB	2003/04/16 12:59
		frequency fluctuations)) and (pump with impeller)	US-PUPUB	
]_	6	(detect\$3 with cavitation) and (operat\$3 with parameter)	USPAT;	2003/09/05 15:01
]	"	and (pump with impeller)	US-PGPUB	2003/03/03 13.01
-	2	(702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation)	USPAT;	2003/04/16 14:05
	-	and (operat\$3 with parameter) and (pump with impeller)	US-PGPUB	2000,01,1011.00
-	10	(702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation)	USPAT;	2003/04/16 14:06
		and (operat\$3 with parameter) and (monitor\$3 with (data or	US-PGPUB	
		parameter))		
-	0	(Characteristic with curve) same (operat\$3 with parameter)	USPAT;	2003/09/05 17:01
		same caviation	US-PGPUB	' ' '
-	0	(characteristic with curve) same (operat\$3 with parameter)	USPAT;	2003/09/05 14:36
	<u> </u>	same caviation	US-PGPUB	
C 1 111 1	0/05/04	5:44:44 DM Page 6		

-	0	(characteristic with curve) and ((operat\$3 with parameter) same caviation)	USPAT; US-PGPUB	2003/09/05 14:37
-	0	(characteristic with curve) and (operat\$3 with parameter) and (caviation with device)	USPAT; US-PGPUB	2003/09/05 14:37
-	0	(characteristic with curve) and (operat\$3 with parameter) and caviation	USPAT; US-PGPUB	2003/09/05 14:38
-	0	characteristic and curve and (operat\$3 with parameter) and caviation	USPAT; US-PGPUB	2003/09/05 14:38
-	27	(detect\$3 with cavitation) and (operat\$3 with parameter) and curve	USPAT; US-PGPUB	2003/09/05 17:18
-	6	((detect\$3 with cavitation) and (operat\$3 with parameter) and curve) and (character\$6 with curve)	USPAT; US-PGPUB	2003/09/08 12:34
-	2	09/852945	USPAT; US-PGPUB	2003/09/05 15:04
-	5	(((detect\$3 with cavitation) and (operat\$3 with parameter) and curve) and (character\$6 with curve)) and routine	USPAT; US-PGPUB	2003/09/05 16:23
-	16	((detect\$3 with cavitation) and (operat\$3 with parameter) and curve) and routine	USPAT; US-PGPUB	2003/09/05 16:23
-	24	((character\$6 with curve) and (operat\$3 with parameter) an cavitation ) and (estimat\$3 near5 cavitation)	USPAT; US-PGPUB	2003/09/07 15:32
-	1	(((character\$6 with curve) and (operat\$3 with parameter) an cavitation ) and (estimat\$3 near5 cavitation) ) and Processor and memory	USPAT; US-PGPUB	2003/09/05 17:05
-	1	(((character\$6 with curve) and (operat\$3 with parameter) an cavitation ) and (estimat\$3 near5 cavitation) ) and (Processor or computer or CPU or microcomputer) and memory	USPAT; US-PGPUB	2003/09/05 17:06
-	1	(((character\$6 with curve) and (operat\$3 with parameter) an cavitation ) and (estimat\$3 near5 cavitation) ) and (Processor or computer or CPU or microcomputer or microprocessor) and memory	USPAT; US-PGPUB	2003/09/05 17:06
-	1	(character\$6 with curve) same (estimat\$3 with cavitation)	USPAT; US-PGPUB	2003/09/05 17:28
-	2	(character\$6 with curve) same ((estimat\$3 or detect\$3 or sens\$3) with cavitation)	USPAT; US-PGPUB	2003/09/05 17:28
-	1	((character\$6 with curve) and (operat\$3 with parameter) and cavitation) and (estimat\$3 near5 cavitation)	USPAT; US-PGPUB	2003/09/07 15:32
-	1	(((character\$6 with curve) and (operat\$3 with parameter) and cavitation) and (estimat\$3 near5 cavitation)) and (Processor or computer or CPU or microcomputer or microprocessor)	USPAT; US-PGPUB	2003/09/07 15:34
-	1	(("4234925"   "4319320"   "4486381"   "4490808"   "4674279"   "4683718"   "4770843"   "4794544"   "4823018"   "4994684"   "5322412"   "5346359"   "5402332").PN.) and (caviation)	USPAT; US-PGPUB	2003/09/07 16:36
-	5	("6152684 <sup>®</sup> "5940290 <sup>®</sup> "5284523" "5646539" "5573032").pn.	USPAT; US-PGPUB	2003/09/07 16:39
-	1	DE-19645129-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/07 16:41
-	2	WO-9721154-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/07 16:41
-	2	EP-943805-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/07 16:42

	·			
-	10	(("6152684" "5940290" "5284523" "5646539"	USPAT;	2003/09/07 16:43
		"5573032").pn.) or DE-19645129-\$.did. or	US-PGPUB;	
		WO-9721154-\$.did. or EP-943805-\$.did.	EPO; JPO;	
			DERWENT	
-	1	alert with user with cavitation	USPAT;	2003/09/08 12:36
			US-PGPUB	
-	1	alert\$3 with user with cavitation	USPAT;	2003/09/08 12:50
			US-PGPUB	
-	1	(alert\$3 or sens\$3 or nimble or agile or athletic) with user	USPAT;	2003/09/08 12:38
		with cavitation	US-PGPUB	
-	5	associat\$4 with user with cavitation	USPAT;	2003/09/08 12:41
		,	US-PGPUB	
-	1	user with presen\$4 with cavitation	USPAT;	2003/09/08 12:42
	_	, F	US-PGPUB	2000,00,00 122
_	52	user with cavitation	USPAT;	2003/09/08 12:48
	""	assi with davidation	US-PGPUB	2003/03/00 12.10
_	11	(user with cavitation) and plant	USPAT;	2003/09/08 12:47
	**	(user with cavitation) and plant	US-PGPUB	2003/03/00 12.47
_	1	user with recogni\$6 with cavitation	USPAT;	2003/09/08 12:49
_	_	daci widi recognipo widi cavitation	US-PGPUB	2003/03/06 12.49
1_	2	alert\$3 with cavitation	USPAT;	2003/09/08 12:51
1	2	aici cp3 with Cavitation	US-PGPUB	2003/03/06 12:31
	_	indicat\$3 with user with cavitation	l	2002/00/00 12-52
-	6	mulcatşə with user with cavitation	USPAT;	2003/09/08 12:52
		(nigraplostuje nogy) howe) with anytitation	US-PGPUB	2002/00/00 12-52
_	1	(piezoelectric near2 horn) with cavitation	USPAT; US-PGPUB	2003/09/08 12:53
		(nicroelectric near) horn) came an itation		2002/00/00 12-52
-	4	(piezoelectric near2 horn) same cavitation	USPAT;	2003/09/08 12:53
		(askingskå) with societation) and (sharpstoriatio with some	US-PGPUB	2004/05/20 42-40
-	4	(estimat\$3 with cavitation) and (characteristic with curve)	USPAT;	2004/05/20 12:49
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	2	((estimat\$3 with cavitation) and (characteristic with curve))	IBM_TDB	2004/05/20 12:52
-		and routine	USPAT; US-PGPUB;	2004/05/20 12:53
		and routine		
			EPO; JPO;	
			DERWENT;	
	٦ .	((actimate 2 with equitation) and (characteristic with every)	IBM_TDB	2004/05/20 12:55
-	2	((estimat\$3 with cavitation) and (characteristic with curve)) and (collect\$3 with parameter)	USPAT;	2004/05/20 12:55
		and (concers)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	2	(((actimate) with cavitation) and (characteristic with	IBM_TDB	2004/05/20 12:55
-	2	(((estimat\$3 with cavitation) and (characteristic with curve)) and (collect\$3 with parameter)) and (monitor\$3 with	USPAT;	2004/05/20 12:55
			US-PGPUB;	
		parameter)	EPO; JPO;	
			DERWENT;	
	,	((actimate) with equitation) and (sharest-vistin with some	IBM_TDB	2004/05/20 42-55
<b>-</b> .	2	((estimat\$3 with cavitation) and (characteristic with curve))	USPAT;	2004/05/20 12:55
		and (monitor\$3 with parameter)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	_	and the bloom and delegans the state of the second	IBM_TDB	2004/05/20 46/20
-	5	cavitation and (characteristic with curve) and (collect\$3	USPAT;	2004/05/20 16:39
		with parameter) and (monitor\$3 with parameter)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
<u> </u>			IBM_TDB	

	T	Y	T	
-	54	cavitation same (characteristic with curve)	USPAT;	2004/05/20 15:47
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	24	cavitation with (characteristic with curve)	USPAT;	2004/09/17 10:02
-	27	Cavitation with (characteristic with curve)		2004/08/17 10:03
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	2	((estimat\$3 evaluat\$3) with cavitation) same (characteristic	USPAT;	2004/05/20 15:56
	_	with curve)	US-PGPUB;	
	1		EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	9	((estimat\$3 evaluat\$3) with cavitation) and (characteristic	USPAT;	2004/08/17 10:25
		with curve)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
1			IBM_TDB	
_	2	(((estimat\$3 evaluat\$3) with cavitation) and (characteristic	USPAT;	2004/05/20 15:50
-				2004/05/20 15:50
		with curve) ) and (stor\$4 with characteristic with curve)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	2	(((estimat\$3 evaluat\$3) with cavitation) and (characteristic	USPAT;	2004/05/20 15:51
		with curve) ) and (memory same (characteristic with	US-PGPUB;	• •
		curve))	EPO; JPO;	
	i		DERWENT;	
			IBM_TDB	
	5	((actimate) avaluate2 datacte2) with equitation) came		2004/05/20 16:40
-	3	((estimat\$3 evaluat\$3 detect\$3) with cavitation) same	USPAT;	2004/05/20 16:40
]		(characteristic with curve)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	4	("5905989" "6421571").pn.	USPAT;	2004/05/20 16:39
			US-PGPUB;	, ,
			EPO; JPO;	
			DERWENT;	
			,	
_	0	(("5005090" "6421571") as \ and (characteristic with area)	IBM_TDB	2004/05/20 46-52
-	0	(("5905989" "6421571").pn.) and (characteristic with curve)	USPAT;	2004/05/20 16:52
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	0	((estimat\$3 or detect\$3) with caviation) and ((stor\$4 or	USPAT;	2004/05/20 16:52
[ [		memeory) with characteristic with curve)	US-PGPUB;	
		,,	EPO; JPO;	
[			DERWENT;	
		(/actionsht? on dehockt?) with assisting and (/atout 4	IBM_TDB	2004/05/20 45 52
-	0	((estimat\$3 or detect\$3) with caviation) and ((stor\$4 or	USPAT;	2004/05/20 16:53
		memory) with characteristic with curve)	US-PGPUB;	
	1		EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	3	((estimat\$3 or detect\$3) with cavitation) and ((stor\$4 or	USPAT;	2004/05/20 16:53
		memory) with characteristic with curve)	US-PGPUB;	200 1/00/20 10.00
		monory, war characteristic war curve)		
			EPO; JPO;	
			DERWENT;	
L			IBM_TDB	

-	10	cavitation with (characteristic near2 curve)	USPAT;	2004/08/17 10:05
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	9	((estimat\$3 or evaluat\$3) with cavitation) and	USPAT;	2004/08/25 09:18
		(characteristic near2 curve)	US-PGPUB;	200 1, 00, 20 05:20
	}	(Cridiactoriodo ficarz carve)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	2	(((estimat\$3 or evaluat\$3) with cavitation) and	USPAT;	2004/08/17 10:20
		(characteristic near2 curve) ) and (collect\$3 with parameter)	US-PGPUB;	
		and (monitor\$3 with routine)	EPO; JPO;	
	1		DERWENT;	
			IBM_TDB	
_	2	((estimat\$3 evaluat\$3) with cavitation) and (characteristic	USPAT;	2004/08/17 11:02
	-	with curve) and (monitor\$3 with routine)		2004/00/17 11.02
		with curve) and (monitor\$3 with routine)	US-PGPUB;	
	!		EPO; JPO;	
	1		DERWENT;	
			IBM_TDB	
-	2	(automatic\$6 with detect\$3 with cavitation) and	USPAT;	2004/08/17 11:04
		(characteristic with curve) and ((collect\$3 or monitor\$3)	US-PGPUB;	
		with operat\$3 with parameter)	EPO; JPO;	
		man open any o man panamotany	DERWENT;	
			IBM_TDB	
	2	(datastt2 with savitation) and (sharastovictic near) sure)		2004/00/47 44.00
-		(detect\$3 with cavitation) and (characteristic near2 curve)	USPAT;	2004/08/17 11:06
		and ((collect\$3 or monitor\$3) with operat\$3 with parameter)	US-PGPUB;	
		and (stor\$4 with characteristic with curve)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	1	((detect\$3 with cavitation) same (characteristic near2	USPAT;	2004/08/17 11:06
		curve)) and ((collect\$3 or monitor\$3) with operat\$3 with	US-PGPUB;	, .
		parameter)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
		6400506 pp		2004/00/17 12:11
-	1	6490506.pn.	USPAT;	2004/08/17 13:11
			US-PGPUB	
j -	0	6490506.pn. and ((estimat\$3 or evaluat\$3) with	USPAT;	2004/08/17 13:14
1		(characteristic near2 curve))	US-PGPUB	
-	0	6490506.pn. and ((estimat\$3 or evaluat\$3) with cavitation)	USPAT;	2004/08/17 13:14
	] !	and (characteristic near2 curve)	US-PGPUB	
-	1	((estimat\$3 or evaluat\$3) with cavitation) and	USPAT;	2004/08/17 13:15
	-	(characteristic near2 curve) and ((collect\$3 or monitor\$3)	US-PGPUB	
		with routine)	20 , 0, 00	
_	4	((estimat\$3 or evaluat\$3) with cavitation) and	USPAT;	2004/08/24 10:10
	7		•	2004/00/24 10:10
]		(characteristic near2 curve) and processor and memory	US-PGPUB;	
			EPO; JPO;	
!			DERWENT;	
			IBM_TDB	
-	1	((estimat\$3 or evaluat\$3) with cavitation) and	USPAT;	2004/08/25 16:14
		(characteristic near2 curve) and estimat\$3 and	US-PGPUB;	
		instruction\$3	EPO; JPO;	
			DERWENT;	
		(/actimate2 on ovaluate2) with assistation) and	IBM_TDB	2004/00/24 40:42
-	1	((estimat\$3 or evaluat\$3) with cavitation) and	USPAT;	2004/08/24 18:42
	1	(characteristic near2 curve) and estimat\$3 and	US-PGPUB;	
	]	instruction\$3 and character\$6 and curve and suction	EPO; JPO;	
			DERWENT;	
			IBM_TDB	.

-	6	((estimat\$3 or evaluat\$3) with cavitation) and pump and	USPAT;	2004/08/25 09:26
		(flow with rate with sensor)	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
-	2	(((estimat\$3 or evaluat\$3) with cavitation) and pump and (flow with rate with sensor)) and trend\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/25 09:27
-	21	("4119016"   "4278051"   "4399663"   "4512722"   "4650633"   "4856284"   "4881374"   "4881375"   "4887857"   "4909076"   "4934399"   "5234587"   "5284523"   "5332356"   "5861560"   "6047545"   "6145332"   "6241485"   "6260004"   "6330525"   "6422662"   "2002/0123856").PN.	USPAT	2004/08/25 09:33
-	3	(("4119016"   "4278051"   "4399663"   "4512722"   "4650633"   "4856284"   "4881374"   "4881375"   "4887857"   "4909076"   "4934399"   "5234587"   "5284523"   "5332356"   "5861560"   "6047545"   "6145332"   "6241485"   "6260004"   "6330525"   "6422662"   "2002/0123856").PN.) and 702/\$.ccls.	USPAT	2004/08/25 09:34
-	3	((("4119016"   "4278051"   "4399663"   "4512722"   "4650633"   "4856284"   "4881374"   "4881375"   "4887857"   "4909076"   "4934399"   "5234587"   "5284523"   "5332356"   "5861560"   "6047545"   "6145332"   "6241485"   "6260004"   "6330525"   "6422662"   "2002/0123856").PN.) and 702/\$.ccls.) and cavitation	USPAT	2004/08/25 09:36
-	2	(((("4119016"   "4278051"   "4399663"   "4512722"   "4650633"   "4856284"   "4881374"   "4881375"   "4887857"   "4909076"   "4934399"   "5234587"   "5284523"   "5332356"   "5861560"   "6047545"   "6145332"   "6241485"   "6260004"   "6330525"   "6422662"   "2002/0123856").PN.) and 702/\$.ccls.) and cavitation) and engine	USPAT	2004/08/25 09:51
-	2	((estimat\$3 or evaluat\$3) with cavitation) and pump and engine and (neural near2 network)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/25 17:35